

# 2019-08-01 DSpace 7 Working Group Meeting

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## Date

01 Aug 2019 from [14:00-15:00 UTC](#)

**Location:** <https://lyrasis.zoom.us/my/dspace> (Meeting ID: 502 527 3040).

- More connection options available at [DSpace Meeting Room](#)

## Agenda

- (15 mins) Developer Stand Up - Developers give brief updates on their effort (or their team's effort).
  - Update/see "Current Work" section below based on your status. *Please feel free to update prior to meeting.*
  - Please highlight any new work (needing reviews/testing), any blockers (for you), and any discussion topics you may have.
- (30 mins) General Discussion Topics
  1. Revisiting Community Homepage mockups from [Laura Henze](#). See: [Community page mockups](#)
  2. [Ben Bosman](#) Support for bundles in REST for:
    - a. reorder bitstreams (bundle2bitstream.bitstream\_order, not to be confused with bitstream sequence)
    - b. retrieving item's bitstreams limited to one or a few bundles, or even to one thumbnail
  3. Improved Estimation Strategy for Beta release. (Estimates should include time for discussion / code reviews, also should be done by multiple developers)
    - a. [Development Planning Spreadsheet](#) needs to be updated, so that we can determine what (outstanding) tasks need estimation.
    - b. Will be using [Wideband Delphi estimation technique](#)
- (15 mins) Planning for next week
  - Assigning PRs for Review
  - Next tasks from [Development Planning Spreadsheet](#)

## Attendees

- [Art Lowel \(Atmire\)](#)
- [Andrea Bollini \(4Science\)](#) - On holiday, will return on Aug 8 meeting.
- [Tim Donohue](#)
- [Heather Greer Klein](#)
- [Lieven Droogmans](#)
- [Mark H. Wood](#)
- [Giuseppe Digilio \(4Science\)](#)
- [Ben Bosman](#)
- [Pascal-Nicolas Becker](#)
- [Chris Wilper](#)
- [Terrence W Brady](#)
- [Paulo Graça](#) (sorry I but won't be available)
- [Dimitris Pierrakos](#) - Out of the office until Aug 19
- [Julius Gruber](#)
- [Laura Henze](#)

## Current Work

### Legend for status icons

★ = Highest Priority tasks (please prioritize these reviews/tasks over others). Currently this lists tasks/features that need to be completed for Preview Release.

★ = Priority for OR2019 (Preview #2 Release).

blocked URL = review done (this week), changes were requested.

blocked URL = review done, approved.

⚠ = review done, merge conflict or other minor changes requests

## Tickets / PRs In Progress

1. (Angular) Adding Accessibility via Travis CI <https://github.com/DSpace/dspace-angular/pull/356> (work in progress) (Lower priority)
2. blocked URL (Angular Bug) <https://github.com/DSpace/dspace-angular/issues/368> ( Art Lowel (Atmire) )
3. (REST Contract) Edit Homepage news: <https://github.com/DSpace/Rest7Contract/pull/45> (Ben Bosman - has outstanding questions/comments) ( Lower priority)
4. (REST) **DS-4043**: Revisit the security layer of the submission (work in progress) Andrea Bollini (4Science)
5. blocked URL (REST Contract) Group and eperson management: <https://github.com/DSpace/Rest7Contract/pull/41> (Waiting on updates from Ben Bosman )
6. blocked URL (REST) Pagination issues on Items findAll - <https://github.com/DSpace/DSpace/pull/2406> (Waiting for confirmation of proposed approach by Andrea Bollini (4Science) from Kevin Van de Velde (Atmire) and any other interested/available )
7. (Backend) **DS-4257**: Renaming "dspace-spring-rest" to "dspace-server" (Tim Donohue). ( Timeline: Not likely to be completed until after OR2019)
8. (Angular) Transfer to .po message format - Initial PR: <https://github.com/DSpace/dspace-angular/pull/366> (Paulo Graça blocked URL, blocked URL Tim Donohue , Art Lowel (Atmire) )

## PRs Needing Review

1. (REST Contract) Collecting statistics - <https://github.com/DSpace/Rest7Contract/pull/63> (Dimitris Pierrakos, Andrea Bollini (4Science) - ✖ change s requested, Ben Bosman )
2. (REST Contract) OAI Harvesting configuration - <https://github.com/DSpace/Rest7Contract/pull/66> (Paulo Graça, Tim Donohue - blocked URL feed back provided, PR updated **Ready for RE-REVIEW**)
3. **(NEW)** (REST Contract) Update bitstream properties and format <https://github.com/DSpace/Rest7Contract/pull/68> (Tim Donohue, **NEEDS SECOND REVIEWER**)
4. (REST) Item Mapper functionality: <https://github.com/DSpace/DSpace/pull/2282> ( Tim Donohue - blocked URL feedback provided, blocked URL Ben Bosman )
5. (REST) Pagination bug with withdrawn items: <https://github.com/DSpace/DSpace/pull/2406> (Dimitris Pierrakos , Ben Bosman - Feedback provided)
6. **(New)** (REST) implement upload bitstream to archived item <https://github.com/DSpace/DSpace/pull/2473> (Tim Donohue, **NEEDS SECOND REVIEWER**)
7. (Angular) (Entities) Deleting relationships: <https://github.com/DSpace/dspace-angular/pull/402> (Paulo Graça - will test again, Tim Donohue )
8. (Angular) Move Item Component: <https://github.com/DSpace/dspace-angular/pull/335> (Giuseppe Digilio (4Science) reviewed and provided feedback, Tim Donohue )
9. (Angular) Item-Collection Mapper: <https://github.com/DSpace/dspace-angular/pull/348> (**NEEDS REVIEWERS**)
  - a. Dependent on PR#2282 (above)
10. (Angular) Shibboleth integration support (*WORK IN PROGRESS*): <https://github.com/DSpace/dspace-angular/pull/429> (Julius has updated the **PR. Ready for RE-REVIEW**) (Giuseppe Digilio (4Science) feedback provided, Fernando FCT/FCCN, Paulo Graça )
  - a. 4Science will enable Shibboleth on public demo. DONE.
11. (Angular) Submission Miscellaneous fixes: <https://github.com/DSpace/dspace-angular/pull/432> (Art Lowel (Atmire) will re-review, Julius Gruber )
12. (Angular) Replace model factories <https://github.com/DSpace/dspace-angular/pull/434> (✔ Tim Donohue, blocked URL Giuseppe Digilio (4Science))
13. **(NEW)** (Angular) Improve i18n files <https://github.com/DSpace/dspace-angular/pull/439> (Tim Donohue)
14. **(NEW)** (Angular) Edit current item query <https://github.com/DSpace/dspace-angular/pull/440> (Ben Bosman, Tim Donohue)
15. **(New)** (Angular) UI Language Cookie <https://github.com/DSpace/dspace-angular/pull/443> (Pascal-Nicolas Becker, Tim Donohue)
16. **(New)** Indirect entity refs during CSV import <https://github.com/DSpace/DSpace/pull/2471> (Ben Bosman, Tim Donohue )
17. **(NEW)** (Angular) Fix for failing travis tests <https://github.com/DSpace/dspace-angular/pull/444> (Tim Donohue - **VERY HIGH PRIORITY**)

## PRs Merged this week!

1. ✔ (Backend) One Webapp Phase 2: Rename "dspace-spring-rest" to "dspace-server-webapp": <https://github.com/DSpace/DSpace/pull/2459>
2. ✔ (Backend) Upgrading to Handle Server v9: <https://github.com/DSpace/DSpace/pull/2394>

## Blocked

1. (Blocked PRs go here)

## Delayed / Needs Discussion

1. **(REST) Scripts & Processes endpoint**: <https://github.com/DSpace/Rest7Contract/pull/17>
  - a. How do we move this forward? In our Jan 24 meeting, Tim noted a risk of "scope creep" with this feature suggestion. This idea has been tabled since then.

- b. In [July 25 meeting](#), Atmire said they'd come back with notes on the proposed backend implementation.
- 2. **Managing Authorization info in Angular UI:** How to pass Authorization rights (i.e. logged in user's access rights) from REST API to Angular? See for example: <https://github.com/DSpace/dspace-angular/issues/393>
  - a. Can this be achieved via passed HAL "\_links" (e.g. the existence of an "edit" link in REST response means you must have Edit rights)?
  - b. In [July 25 meeting](#), we noted this probably cannot be resolved with just one simple solution. May need to look at different options for different scenarios
    - i. Also likely to need to store/cache a user's Groups in UI layer, as some areas (e.g. Administrative) require knowledge of user group membership
- 3. Initial Performance Testing from Chris.
  - a. <https://cwilper.github.io/dspace-perftest/>
- 4. (REST Contract) Edit Homepage News: <https://github.com/DSpace/Rest7Contract/pull/45>
  - a. Delayed until after Preview release. General agreement ([in meeting on March 21, 2019](#)) that storing HTML in metadata fields is not really ideal behavior. Metadata (from a librarian standpoint) tends to be free of format-related markup (as that allows for easier sharing, understanding of metadata. Currently Community & Collection homepage information is HTML-based and *is stored in metadata* that is appropriate for a minor subset of information (like the title) but it is better to move large/rich text to bitstreams.
  - b. Proposal here is to consider storing HTML-based markup (for Site, Community & Collection homepages) in Bitstream(s) associated with the object in question. May allow for more CMS-lite behavior in the future
  - c. Timeline for this is uncertain. Possibly in 7 or 8. May depend on how/whether it can be scoped.
- 5. Concurrency in DSpace 7 (or 8). What do we want to do when multiple editors are editing the same object? Needs further analysis regarding implementation details
  - a. We've decided ([in meeting on March 7, 2019](#)) to use ETags to implement concurrency. REST Contract notes on ETags: <https://github.com/DSpace/Rest7Contract#etags--conditional-headers>
  - b. ETags only update if the two fields match. If someone edits first, your edit would fail and you would get a fail response (422?)
  - c. ETags seems to have broader support in other REST APIs. Recommended also by both Art and Andrea.
- 6. Not discussed much, but could there be opportunities to use Travis CI + Docker Compose for testing of Angular??
  - Docs: <https://docs.travis-ci.com/user/docker/#using-docker-compose>
  - Blogpost on how to do it: <http://elliott.land/post/using-docker-compose-on-travis-ci>
  - An example travis.yml file: <https://github.com/Ortus-Solutions/docker-buildfiles/blob/master/.travis.example.yml>

## Notes

- Discussion of [Community page mockups](#) led by [Laura Henze](#) & Kate from NYU
  - Feedback still welcome on "Proposed design objectives". These are useful in determining whether a design is successful and meets the goals
  - Mockups
    - v1 is the initial mockup. Good feedback provided in comments
    - v2 is the initial mockup with separation of SubCommunities and Collections (as that was feedback on v1)
    - v3 is an enhanced proposal from [Jose Carvalho](#), including more stats & download info
      - Some feedback is that the info is nice, but makes the page even larger. Do we want to have this on a separate page or **after** the subcommunity/collection listing (as much of this may be more interesting to community admins)
  - Discussion point: Do we like the sidebar here?
    - Yes, seems reasonable, but need a plan for how it collapses on smaller screens (e.g. phones)
    - Maybe we could collapse similar to Search Filters/Setting sidebar? e.g. [Menu Mockups](#)
      - Yes, possibly, though this sidebar is on the right instead of the left. So, may need new component?
  - Discussion point: Search box for Community. Should it be in the sidebar?
    - Art notes the initial plan was for the search icon (in site header) should eventually be clickable...and it'll expand into a search box. We could just make that searchbox filterable to the community or collection.
    - May want to think on whether the searchbox should be in the sidebar, or if we enhance the header search to support this option
  - Discussion point: Breadcrumbs. Currently don't exist
    - Art notes that the plan is these will exist. Implementation ran into some initial performance issues that need resolution, but needs to exist in 7.0
  - Discussion point: New features like "Featured" sidebar listing, "Most downloads" sidebar listing, and the type-specific labels.
    - All these need more discussion and scoping. Tim notes that we need to be careful not to expand our scope for any of these – may need to determine which are reasonable for 7.0 and which may need rescheduling
    - Type-specific labels (blue labels on Community/Collection): Need to determine if these are based on Entity types or maybe on "dc.type". May also be a topic of interest to [DSpace 7 Entities Working Group \(2018-19\)](#) eventually
    - "Featured" sidebar listing: Nice idea, but currently doesn't exist on backend. Not sure how to implement yet. Noted by Laura & Kate that this might be the lowest priority of all new features
    - "Most downloads" sidebar listing: Nice idea as well, currently not in DSpace v6. But, might be an opportunity to look at this as we implement more of statistics UI... might not be that hard to implement (needs analysis though)
  - Next steps
    - First three points are lower hanging fruit. Can look more at how to collapse sidebar (Laura & Art had interest). Also can reintroduce breadcrumbs discussion and searchbox ideas in upcoming meetings perhaps?
    - Other new features may need more analysis in terms of implementation strategy. Not sure which can fit into v7 and which become v8 features
- Did not discuss Bundles in REST API. That will move to Slack discussion, and also top of list next week
- No major updates on estimation process. Tim looking into, but has not had much time in recent weeks.